

**This rubric will be used for completed projects only.**

**Circle the scores provided by evaluating each area and using the following guideline:**

- 1/2 – Missing or poorly completing most elements
- 2/4 – Poorly completing most elements
- 3/6 – Requirements are met to a minimal extent
- 4/8 – Most elements are adequately present with a few weak points
- 5/10 – All elements are adequately presented

- I. Log Book ..... **1 2 3 4 5**
- Resources present
  - Pages numbered
  - Neatly written in ink and appears to be an original record
  - Entries dated and initialed with data recorded in tables
- II. Neatness/Creativity ..... **2 4 6 8 10**
- Display is neat, typed, orderly, and correct in layout
  - Display has trim, matting where appropriate, attachments are neatly attached
  - Pictures used where necessary
  - Good conventions (Grammar/Spelling)
- III. Title / Abstract ..... **1 2 3 4 5**
- Title is clearly displayed, large, easily readable, and conveys topic
  - The introduction has the problem clearly stated
  - The introduction has the hypothesis *correctly* stated
  - The introduction includes the purpose of the research
- IV. Experimental Procedure (What you did) ..... **2 4 6 8 10**
- Adequately describes procedure in third person - step by step
  - Materials and equipment identified throughout descriptions
  - Variables are identified, explaining how they are controlled or measured
  - Focus remains on hypothesis through entire section
  - Repetition is present
  - Extensive construction of new equipment (if applicable)
- V. Experimental Results ..... **1 2 3 4 5**
- Includes data collected in a clear table(s) and / or figures (graphs, pictures)
  - Tables and figures are titled and their meaning clearly explained
- VI. Discussion (What you found and how you know) ..... **2 4 6 8 10**
- Analysis of results included
  - Explanations are reasonable and *based* on results
  - Tables and figures are referred to during the discussion
- VII. Conclusion ..... **1 2 3 4 5**
- *Brief* synopsis of findings
  - Relates back to the hypothesis
  - Ideas for improvement and changes are included
  - Lists possible sources of error

**Total Score** \_\_\_\_\_

**50**

**Students must get a 75% or better to meet the Pennsylvania Science and Technology Standards. Scores lower than 75% must remediate their project.**